

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listing, of claims in the application:

**Listing of Claims:**

1. (currently amended) A method for providing intelligent caching, the method comprising:

receiving a traffic stream;  
analyzing a ~~the~~ traffic stream for first content;  
generating a profile based on the first content;  
outputting ~~transmitting~~ [a] the profile of the content based upon the analyzing  
step to a remote location, wherein the profile is used to prepare a master profile;  
generating a master profile based on the received profile;  
retrieving second content associated with the master profile at the remote  
location; and  
~~eaching content that is associated with the master profile~~  
receiving the second content from the remote location.

2. (currently amended) The method of claim 1, wherein the step of receiving the second content from the remote location further comprising comprises:

receiving the second content from the remote location associated with the master  
profile over a wide area network (WAN).

3. (original) The method of claim 2, wherein the WAN is a satellite network that supports a multicast communications session.

4. (currently amended) The method of claim 1, ~~wherein the caching step is executed to pre-load a cache~~ further comprising:  
receiving the traffic stream via a first network; and  
transmitting the profile based upon the analyzing step to the remote location via a second network.

5. (currently amended) The method of claim [4] 1, further comprising:  
generating a new master profile; and  
periodically transmitting refreshed second content based on the new master profile ~~refreshing the cache with content of a new master profile.~~

6. (currently amended) The method of claim 1, wherein the ~~analyzing~~ outputting step further comprises:  
prioritizing the first and second content based upon popularity.

7. (currently amended) The method of claim 1, further comprising:  
restricting access to client devices to only ~~to~~ content ~~that is~~ associated with the master profile.

8. (currently amended) The method of claim 1, wherein the profile ~~in the outputting step~~ is categorized according to predetermined content communities.

9. (currently amended) A method for providing intelligent caching, the method comprising:  
receiving, from a remote cache, a profile that is prepared based upon content of a traffic stream;  
generating a master profile based upon the received profile;  
retrieving content associated with the master profile; and  
transmitting content associated with the master profile to [a] the remote cache.

10. (currently amended) The method of claim 9, wherein the content associated with the master profile is transmitted to the remote cache over a wide area network (WAN).

11. (original) The method of claim 10, wherein the WAN is a satellite network that supports a multicast communications session.

12. (currently amended) The method of claim 9, wherein the profile is received from the remote cache via a first network; and the master content associated with the master profile is ~~pre-loaded in~~ transmitted to the remote cache via a second network.

13. (original) The method of claim 9, further comprising:  
generating a new master profile; and  
periodically refreshing the remote cache with content associated with the new master profile.

14. (original) The method of claim 9, wherein the generating step comprises:  
prioritizing the content based upon popularity.

15. (original) The method of claim 9, wherein the master profile is used to restrict access to content.

16. (currently amended) A communications system for providing intelligent caching, the system comprising:

a first caching logic configured to analyze a traffic stream for first tier content and to output a first profile of the first tier content; and

a second caching logic configured to generate a second profile based upon the first profile, wherein the second profile is used to retrieve second tier content, and

wherein the second caching logic is further configured to transmit the second tier content to a remote cache.

17. (currently amended) The system of claim 16, wherein the content associated with the second profile is transmitted over a wide area network (WAN) to [a] the remote cache.

18. (original) The system of claim 17, wherein the WAN is a satellite network that supports a multicast communications session.

19. (original) The system of claim 17, wherein the remote cache is pre-loaded with the content associated with the second profile.

20. (original) The system of claim 17, wherein the remote cache is periodically refreshed with content associated with a new master profile.

21. (original) The system of claim 16, wherein the content of the first profile and the content associated with the second profile are prioritized based upon popularity.

22. (original) The system of claim 16, wherein the second profile is used to restrict access to content.

23. (original) The system of claim 16, wherein the first profile is categorized according to predetermined content communities.

24. (currently amended) A network device for providing intelligent caching services, comprising:

a processor configured to analyze a traffic stream for first tier content and to output a profile of the first tier content to a second processor, wherein the profile is used to prepare a master profile; the second processor configured to retrieve second tier content associated with the master profile; and

a cache coupled to the processor and configured to ~~store~~ receive the second tier content that is associated with the master profile.

25. (currently amended) The device of claim 24, further comprising:

a communications interface configured to receive the second tier content associated with the master profile over a wide area network (WAN).

26. (original) The device of claim 25, wherein the WAN is a satellite network that supports a multicast communications session.

27. (currently amended) The device of claim 24, wherein the cache is pre-loaded with the second tier content that is associated with the master profile.

28. (currently amended) The device of claim 27, wherein the cache is periodically refreshed with second tier content ~~of~~ associated with a new master profile.

29. (currently amended) The device of claim 24, wherein the first tier content of the profile and the second tier content associated with the master profile are prioritized based upon popularity.

30. (original) The device of claim 24, wherein the processor is further configured to restrict access only to content that is associated with the master profile.

31. (original) The device of claim 24, wherein the profile is categorized according to predetermined content communities.

32. (currently amended) A network device for providing intelligent caching, the device comprising:

a communications interface configured to receive a profile that is prepared based upon content of a traffic stream; and

a processor coupled to the communications interface and configured to generate a master profile based upon the received profile, wherein the second tier content associated with the master profile is retrieved and transmitted over the communications interface to a remote cache.

33. (original) The device of claim 32, wherein the communications interface is configured to interface with a wide area network (WAN).

34. (original) The device of claim 33, wherein the WAN is a satellite network that supports a multicast communications session.

35. (currently amended) The device of claim 32, the content associated with the master profile is ~~pre-load~~ pre-loaded in the remote cache.

36. (original) The device of claim 32, wherein the processor is further configured to generate a new master profile, the remote cache being periodically refreshed with content associated with the new master profile.

37. (currently amended) The device of claim 32, wherein the content of the profile and the second tier content associated with the master profile are prioritized based upon popularity.

38. (original) The device of claim 32, wherein the master profile is used to restrict access to content.

39. (currently amended) A network apparatus for providing intelligent caching, the apparatus comprising:

means for analyzing a traffic stream for first tier content;

means for outputting a profile of the first tier content, wherein the profile is used to prepare a master profile; and

means for caching content that is associated with the master profile.

40. (original) The apparatus of claim 39, further comprising:

means for receiving the content associated with the master profile over a wide area network (WAN).

41. (original) The apparatus of claim 40, wherein the WAN is a satellite network that supports a multicast communications session.

42. (original) The apparatus of claim 39, wherein the caching means is pre-loaded with the content that is associated with the master profile.

43. (original) The apparatus of claim 42, further comprising:

means for periodically refreshing the caching means with content of a new master profile.

44. (original) The apparatus of claim 39, further comprising:

means for prioritizing the content based upon popularity.

45. (original) The apparatus of claim 39, further comprising:

means for restricting access only to content that is associated with the master profile.

46. (original) The apparatus of claim 39, wherein the profile is categorized according to predetermined content communities.

47. (currently amended) A computer-readable medium carrying one or more sequences of one or more instructions for providing intelligent caching, the one or more sequences of one or more instructions including instructions which, when executed by one or more processors, cause the one or more processors to perform the steps of:

receiving a traffic stream at a first cache engine;  
analyzing a the traffic stream for first tier content;  
generating a profile based on the first tier content;  
~~outputting transmitting [a] the profile of the content based upon the analyzing~~  
~~step to a second cache engine, wherein the profile is used to prepare a master profile;~~  
generating a master profile based on the received profile;  
retrieving second tier content associated with the master profile by the second  
cache engine; and  
~~caching content that is associated with the master profile~~  
transmitting the second tier content to the first cache engine.

48. (currently amended) The computer-readable medium of claim 47, further comprising computer-executable instructions for causing the one or more processors to perform the step of:

~~receiving~~ transmitting the second tier content at a first cache engine associated  
~~with the master profile over a wide area network (WAN).~~

49. (original) The computer-readable medium of claim 48, wherein the WAN is a satellite network that supports a multicast communications session.



50. (currently amended) The computer-readable medium of claim 47, wherein ~~the caching step~~ transmitting the second tier content to the first cache engine is executed to pre-load a cache.

51. (currently amended) The computer-readable medium of claim 50, further comprising computer-executable instructions for causing the one or more processors to perform the steps of:

generating a new master profile; and  
periodically transmitting refreshed second tier content based on the new master profile to the first cache engine ~~refreshing the cache with content of a new master profile.~~

52. (currently amended) The computer-readable medium of claim 47, wherein the outputting step comprises:

prioritizing the first tier content based upon popularity.

53. (original) The computer-readable medium of claim 47, further comprising computer-executable instructions for causing the one or more processors to perform the step of:

restricting access only to content that is associated with the master profile.

54. (currently amended) The computer-readable medium of claim 47, wherein ~~the profile in the outputting step~~ is categorized according to predetermined content communities.

55. (currently amended) A computer-readable medium carrying one or more sequences of one or more instructions for providing intelligent caching, the one or more sequences of one or more instructions including instructions which, when executed by one or more processors, cause the one or more processors to perform the steps of:

receiving, at a remote cache, a profile that is prepared based upon content of a traffic stream;

generating a master profile based upon the received profile;

retrieving content associated with the master profile; and

transmitting content associated with the master profile to [a] the remote cache.

56. (currently amended) The computer-readable medium of claim 55, wherein the content associated with the master profile is transmitted to the remote cache over a wide area network (WAN).

57. (original) The computer-readable medium of claim 56, wherein the WAN is a satellite network that supports a multicast communications session.

58. (original) The computer-readable medium of claim 55, wherein the master content associated with the master profile is pre-loaded in the remote cache.

59. (original) The computer-readable medium of claim 55, further comprising computer-executable instructions for causing the one or more processors to perform the steps of:

generating a new master profile; and

periodically refreshing the remote cache with content associated with the new master profile.

60. (original) The computer-readable medium of claim 55, wherein the generating step comprises:

prioritizing the content based upon popularity.

61. (original) The computer-readable medium of claim 55, wherein the master profile is used to restrict access to content.